

# Ultra HD Megapixel Lenses

Fixed Focal and Vari-Focal Ultra HD Lenses for MegaVideo® Series Cameras



## For Use with 5MP to 10MP MegaVideo® Series IP Cameras

In comparison with traditional security lenses, Arecont Vision Ultra HD Fixed Focal and Vari-Focal Series Lenses have these advantages:

- High Quality Optical Glass
- Larger Aperture, up to F1.2
- Higher Sharpness
- Lower Distortion
- Better Relative Illumination
- Less Chromatic Aberration
- CS Mount and C Mount
- 1/2.3", 1/2.7", 1/1.7", 1/1.8", 2/3" Optical Options

### Lens Specifications

Part Number	Focal Length	Optical Format	Mount	Aperture	Iris Range	IR Corrected	Dimensions	Weight
<b>Fixed Focal</b>								
<b>UHD7.2</b>	7.2mm	1/2.3"	CS	F2.4	Fixed	Yes	ø 30 (1.18") x 25mm (0.98")	37.5g (0.082lbs)
<b>M118FM08</b>	8mm	1/1.8"	C	F1.4	Manual	No	ø 29 (1.14") x 27.3mm (1.07")	44g (0.097lbs)
<b>M118FM16</b>	16mm	1/1.8"	C	F1.4	Manual	No	ø 29 (1.14") x 24.1mm (0.95")	39g (0.085lbs)
<b>JHF25M-5MP</b>	25mm	2/3"	C	F1.4	Manual	No	ø 51 (2") x 48 mm (1.89")	190g (0.41lbs)
<b>JHF35M-5MP</b>	35mm	2/3"	C	F1.4	Manual	No	ø 51 (2") x 62mm (2.44")	230g (0.50lbs)
<b>Vari-Focal</b>								
<b>UHD4.0-10MPI</b>	4.0–10mm	1/2.3"	CS	F1.6	P-iris	Yes	ø 57 (2.24") x 39.8mm (1.56")	68g (0.14lbs)
<b>UHD4.4-10MPI</b>	4.4–10mm	1/2.7"	CS	F1.2	P-iris	Yes	ø 57 (2.24") x 39.8mm (1.56")	68g (0.14lbs)
<b>UHD45-10</b>	4.5–10mm	1/2.3"	CS	F1.8	Manual	Yes	ø 40 (1.57") x 61mm (2.4")	174.1g (0.38lbs)
<b>UHD45-10AI</b>	4.5–10mm	1/2.3"	CS	F1.8	DC iris	Yes	ø 40 (1.57") x 61.4mm (2.41")	146.2g (0.32lbs)
<b>UHD12-50MPI</b>	12–50mm	1/1.7"	CS	F1.8	P-iris	Yes	ø 67 (2.63") x 52.5mm (2.06")	158.7g (0.34lbs)
<b>UHD30-120MPI</b>	30–120mm	1/1.7"	C	F2.2	P-iris	Yes	ø 97 (3.81") x 141mm (5.59")	748.4g (1.65lbs)

FOV-Horizontal Lens Specifications

Part Number	Focal Length	AV1115*	AV2115*	AV2116*	AV3115*	AV3116*	AV3236*		AV5115	AV5215	AV10115	AV10215	AV08ZMV
							Day	Night					
<b>UHD7.2</b>	7.2mm	30.4°	44.4°	32.7°	35.3°	34.9°	34.9°	37.2°	44.2°	-	47°	-	-
<b>M118FM08</b>	8mm	27.2°	40.8°	29.9°	31.8°	31.8°	31.8°	33.9°	40.3°	-	41°	-	-
<b>M118FM16</b>	16mm	13.7°	20.5°	15.0°	16.0°	16.0°	16.0°	17.1°	20.3°	-	20.8°	-	-
<b>JHF25M-5MP</b>	25mm	8.8°	13.2°	9.6°	10.3°	10.3°	10.3°	10.9°	13°	-	14.6°	-	-
<b>JHF35M-5MP</b>	35mm	6.3°	9.4°	6.9°	7.3°	7.3°	7.3°	7.8°	9.3°	-	10.5°	-	-
Vari-Focal													
<b>UHD4.0-10MPI</b>	Wide @ 4.0mm	-	-	-	-	-	-	-	-	82.8°	-	90°	-
	Tele @ 10mm	-	-	-	-	-	-	-	-	34.3°	-	37°	-
<b>UHD4.4-10MPI</b>	Wide @ 4.4mm	-	-	-	-	-	-	-	-	-	-	-	96°
	Tele @ 10mm	-	-	-	-	-	-	-	-	-	-	-	43°
<b>UHD45-10</b>	Wide @ 4.5mm	46.6°	71.2°	52.1°	55°	55.6°	55.6°	59.3°	70.4°	-	75.7°	-	-
	Tele @ 10mm	22.4°	33.6°	24.6°	26.2°	26.2°	26.2°	27.9°	33.2°	-	35.7°	-	-
<b>UHD45-10AI</b>	Wide @ 4.5mm	46.6°	71.2°	52.1°	55°	55.6°	55.6°	59.3°	70.4°	-	75.7°	-	-
	Tele @ 10mm	22.4°	33.6°	24.6°	26.2°	26.2°	26.2°	27.9°	33.2°	-	35.7°	-	-
<b>UHD12-50MPI</b>	Wide @ 12mm	-	-	-	-	-	-	-	-	28°	-	32°	37°
	Tele @ 50mm	-	-	-	-	-	-	-	-	6.8°	-	7.7°	9°
<b>UHD30-120MPI</b>	Wide @ 30mm	-	-	-	-	-	-	-	-	10.3°	-	11.7°	13°
	Tele @ 120mm	-	-	-	-	-	-	-	-	2.8°	-	3.1°	3.5°

\* Not Recommended  
 "-" Not Compatible

Fixed Focal Lens Options

**UHD7.2**



- Arecont 7.2mm
- 1/2.3"
- F2.4
- CS-mount
- IR Corrected

**M118FM08**



- 8mm
- 1/1.8"
- F1.4
- C-mount

**M118FM16**



- 16mm
- 1/1.8"
- F1.4
- C-mount

**JHF25M-5MP**



- 25mm
- 2/3"
- F1.4
- C-mount

**JHF35M-5MP**



- 35mm
- 2/3"
- F1.4
- C-mount

Vari-Focal Lens Options

**UHD4.0-10MPI**



**UHD4.4-10MPI**



**UHD45-10**



**UHD45-10AI**



**UHD12-50MPI**



**UHD30-120MPI\*\***



\*\* Not compatible with HSG2 housing